ANGPTL4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ANGPTL4, Polyclonal Antibody
Full Product Name	ANGPTL4 (Center) Rabbit pAb
Product Gene Name	anti-ANGPTL4 antibody
Product Synonym Names	Angiopoietin-related protein 4; Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein; HFARP; ANGPTL4; ARP4; HFARP; PGAR
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB18264
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	gene 615881
3D Structure	ModBase 3D Structure for Q9BY76
Immunogen	This ANGPTL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the central region of human ANGPTL4.
Cellular Localization	Extracellular Matrix, Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ANGPTL4 antibody	Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-ANGPTL4 antibody	WB: 1:1000 IHC: 1:50-100 FC/FACS: 1:10-50
Related Product Information for anti-ANGPTL4 antibody	MBS8555447 is an antibody targeting ANGPTL4. Also known as ANGPTL4 (Center) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-ANGPTL4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANGPTL4. It may not necessarily be applicable to this product.

NCBI GI #	25008123
NCBI GeneID	51129
NCBI Accession #	Q9BY76.2
UniProt Primary Accession #	Q9BY76

UniProt Related Accession #	Q9BY76
NCBI Official Full Name	Angiopoietin-related protein 4
NCBI Official Synonym Full Names	angiopoietin like 4
NCBI Official Symbol	ANGPTL4
NCBI Official Synonym Symbols	NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158
UniProt Protein Name	Angiopoietin-related protein 4
UniProt Synonym Protein Names	Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein; HFARP
Protein Family	Angiopoietin-related protein
UniProt Gene Name	ANGPTL4
UniProt Synonym Gene Names	ARP4; HFARP; PGAR; HFARP
UniProt Entry Name	ANGL4_HUMAN
NCBI Protein Information	angiopoietin-related protein 4
NCBI Summary for ANGPTL4	This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013]
UniProt Comments for ANGPTL4	ANGPTL4: Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation. Protein type: Secreted, signal peptide; Secreted; Apoptosis; Extracellular matrix; Inhibitor Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: extracellular space; proteinaceous extracellular matrix; extracellular region Molecular Function: enzyme inhibitor activity; protein binding Biological Process: positive regulation of angiogenesis; response to hypoxia; negative regulation of lipoprotein lipase activity; angiogenesis; cellular lipid metabolic process; cell differentiation; protein homooligomerization; negative regulation of apoptosis Disease: Plasma Triglyceride Level Quantitative Trait Locus
Research Articles on ANGPTL4	**1.** Data suggest that angiopoietin like-4 (ANGPTL4) contributes to pathological vascular remodelling in capillary cerebral amyloid angiopathy and that detection of ANGPTL4 levels may improve current diagnostics.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/angptl4/8555447